ELSEVIER

International Journal of Antimicrobial Agents 12 (1999) 363–366

INTERNATIONAL JOURNAL OF
Antimicrobial
Agents

Volume contents

Volume 12 (1999)

No. 1

Leading article

Do we need antivirals for genital herpes simplex virus and human papillomavirus infection?
G. Gross 1

Reviews

A review of worldwide experience with sparfloxacin in the treatment of community-acquired pneumonia and acute bacterial exacerbations of chronic bronchitis
R.G. Finch 5

Antibiotic resistance problems with *Helicobacter pylori*
T. Alarcón, D. Domingo and M. López-Brea 19

Original articles

β-Lactamases and outer membrane investigations in β-lactam-resistant *Comamonas acidovorans* strains
M. Ravaoarinoro and C. Therrien 27

In vitro activity of clinafloxacin against fluoroquinolone resistant Spanish clinical isolates
M. López-Brea, N. Prieto, D. Domingo, C. de las Cuevas, I. Sánchez and T. Alarcón 33

Antimicrobial susceptibility of anaerobic and capnophilic bacteria isolated from odontogenic abscesses and rapidly progressive periodontitis
S. Eick, W. Pfister and E. Straube 41

In vitro evaluation of intracellular activity of antibiotics against non-typhoid *Salmonella*
C.-H. Chiu, T.-Y. Lin and J.T. Ou 47

Inhibition of the in vitro growth of *Plasmodium falciparum* by acyclic nucleoside phosphonates
L.J.J.W. Smeijsters, F.F.J. Franssen, L. Naesens, E. de Vries, A. Holý, J. Balzarini, E. de Clercq and J.P. Overdulve 53

Commentary

Commentary on the MAFF technical report: a review of antimicrobial resistance in the food chain
J.P. Donnelly 63

Short communications

In vitro activity of several antimicrobial agents against 1003 isolates of *Streptococcus pyogenes* collected from Western Canada
J.M. Blondeau, D. Church, Y. Yaschuk and J. Bjarnason 67

Resistance problems in two university hospitals in Denmark
T.G. Jensen, H.J. Kolmos and K. Siboni 71

Instructions to authors 75

No. 2

Leading article
Surveillance of resistance against antimicrobial agents
J. Verhoef, J.F. Acar, R. Gupta and R. Jones 77

Reviews
Perspectives for the treatment of hepatitis B virus infections
E. De Clercq 81

New criteria for selecting the proper antimicrobial chemotherapy for severe sepsis and septic shock
P. Periti and T. Mazzei 97

Original articles
Comparative efficacies of levofloxacin and ciprofloxacin against *Streptococcus pneumoniae* in a mouse model of experimental septicaemia
C.O. Onyeji, K.Q. Bui, R.C. Owens, Jr., D.P. Nicolau, R. Quintiliani and C.H. Nightingale 107

A multi-centre study of nosocomial methicillin-resistant *Staphylococcus aureus* in Greece
M. Kantzanou, P.T. Tassios, A. Tseleni-Kotsovili, A.N. Maniatis, A.C. Vatopoulos, N.J. Legakis and the Greek MRSA Study Group 115

A randomised, multicentre study of ceftriaxone versus standard therapy in the treatment of lower respiratory tract infections
G.J. de Klerk, J.H.M. van Steijn, S. Lobatto, C.A.J.J. Jaspers, W.C.J. van Veldhuizen, C.A.J. Hensing, M.C.M. Bunnik, W.H. Geraedts, A.S.M. Dofferhof, J. Van Den Berg, J.H.J.M. Melis and A.I.M. Hoepelman 121

Selection of resistant variants of respiratory pathogens by quinolones
A.M. Sefton, J.P. Maskell and J.D. Williams 129

Efficacy of trovafloxacin in an in vitro pharmacodynamic simulation of an intraabdominal infection
L. Alou, M.L. Anta, M.G. Del Potro, F. Fuentes, I.P. Balcabao, M.L. Gomez-Lus and J. Prieto 135

In vitro activities of the oxazolidinone compounds linezolid (PNU-100766) and eperzolid (PNU-100592) against middle ear isolates of *Streptococcus pneumoniae*
J.A. Kearney, K. Barbadora, E.O. Mason, E.R. Wald and M. Green 141

Formula to help select rational antimicrobial therapy (FRAT): its application to community- and hospital-acquired urinary tract infections
J.M. Blondeau and G.S. Tillotson 145

Multiple dose pharmacokinetics of artemether in Chinese patients with uncomplicated falciparum malaria
M.A. van Agtmael, S. Cheng-Qi, J.X. Qing, R. Mull and C.J. van Boxtel 151

The comparative efficacy and tolerability of CGP 56697 (artemether + lumefantrine) versus halofantrine in the treatment of uncomplicated falciparum malaria in travellers returning from the Tropics to The Netherlands and France
M. van Agtmael, O. Bouchaud, D. Malvy, J. Delmont, M. Danis, S. Barette, C. Gras, J. Bernard, J.-E. Touze, I. Gathmann, R. Mull and CGP 56697 Study Group 159

Commentary
The WHO model list of essential drugs
J.D. Williams 171

Short communication
Activity of grepafloxacin and other fluoroquinones and newer macrolides against recent clinical isolates of *Chlamydia pneumoniae*
P.M. Roblin, A. Kutlin, T. Reznik and M.R. Hammerschlag 181

Correspondence
In vitro activities of five new antimicrobial agents against *Brucella melitensis*
I. Trujillano-Martín, I. Montes Martinez, E. García-Sánchez, M.J. Fresnadillo, J.E. García-Sánchez, and J.Á. García-Rodríguez 185

Instructions to authors 187

No. 3

Reviews

The role of glycopeptide antibiotics in the treatment of infective endocarditis
R.N. Grüneberg, F. Antunes, H.F. Chambers, J. Garau, W. Graninger, F. Menichetti, W.E. Peetermans, D. Pittet, P.M. Shah and D. Vogelaers 191

Correlation between consumption of antimicrobials in humans and development of resistance in bacteria
J.M. Cristino 199

Original articles

Molecular epidemiology of *Plasmodium falciparum* antifolate resistance in Vietnam: genotyping for resistance variants of dihydropteroate synthase and dihydrofolate reductase
C.M. Masimirembwa, N. Phuong-dung, B.Q. Phuc, L. Duc-Dao, N.D. Sy, O. Sköld and G. Swedberg 203

Reduced susceptibility in laboratory-selected mutants of *Aspergillus fumigatus* to itraconazole due to decreased intracellular accumulation of the antifungal agent
E.K. Manavathu, J.A. Vazquez and P.H. Chandrasekar 213

Efficacy of NND-502, a novel imidazole antimycotic agent, in experimental models of *Candida albicans* and *Aspergillus fumigatus* infections
Y. Niwano, N. Kuzuhara, Y. Goto, Y. Munechika, H. Kodama, K. Kanai, M. Yoshida, T. Miyazaki and H. Yamaguchi 221

Postantibiotic and physiological effects of tilmicosin, tylosin, and apramycin at subminimal and suprainhibitory concentrations on some swine and bovine respiratory tract pathogens
M.S. Diarra, F. Malouin and M. Jacques 229

Enhanced susceptibility of pentylenetetrazole kindled mice to quinolone effects
A. De Sarro, F. Naccari and G. De Sarro 239

Vaginal disinfection with chlorhexidine during childbirth
B. Stray-Pedersen, T. Bergan, A. Hafstad, E. Normann, J. Grøgaard and M. Vangdal 245

Clinical and microbiological efficacy of single dose cefuroxime prophylaxis for dental surgical procedures
U. Wahlmann, B. Al-Nawas, M. Jütte and W. Wagner 253

Antimicrobial activity of spices
D.S. Arora and J. Kaur 257

Short communications

Imipenem for the treatment of melioidosis
M.A. Minassian, A. Gage, E. Price and A.M. Sefton 263

Activity of pradimicin BMS-181184 against *Aspergillus* spp
K.L. Oakley, C.B. Moore and D.W. Denning 267

Instructions to authors 271

No. 4

Commentary

Relationship between usage of antibiotics in food-producing animals and the appearance of antibiotic resistant bacteria
T.R. Shryock 275

Reviews

Association between the consumption of antimicrobial agents in animal husbandry and the occurrence of resistant bacteria among food animals
F.M. Aarestrup 279

Review of probiotics available to modify gastrointestinal flora
M.R. Gismondo, L. Drago and A. Lombardi 287

Original articles

Antiviral activity of enterocin CRL35 against herpesviruses
M.B. Wachsman, M.E. Farías, E. Takeda, F. Sesma, A.P. de Ruiz Holgado, R.A. de Torres and C.E. Coto 293

Influence of adjunctive interferon-γ on treatment of gentamicin- and vancomycin-resistant *Enterococcus faecalis* infection in mice
C.O. Onyeji, K.Q. Bui, D.P. Nicolau, C.H. Nightingale, L. Bow and R. Quintiliani 301

Comparative activities of six different fluoroquinolones against 9,682 clinical bacterial isolates from 20 European university hospitals participating in the European SENTRY surveillance programme
F.-J. Schmitz, J. Verhoef, A.C. Fluit and The SENTRY PARTICIPANTS GROUP 311

In vitro activity of epiroprim, a dihydrofolate reductase inhibitor, singly and in combination with brodimoprim and dapsone, against *Mycobacterium leprae*
A.M. Dhople 319

Alterations within the quinolone resistance-determining regions of GyrA and ParC of *Neisseria gonorrhoeae* isolated in the Far East and the United States
D.L. Trees, A.L. Sandul, V. Peto-Mesola, M.-R. Aplasca, H. Bun Leng, W.L. Whittington and J.S. Knapp 325

In vitro selection of glycopeptide-resistant variants of Enterococci
M. Puntorieri, V. Cafiso, M. Santagati, C. Messina, C. Azzarelli, V. Catalano, G. Bonfiglio, N. Giuseppe and S. Stefania 333

Metronidazole and clarithromycin resistance amongst *Helicobacter pylori* isolates from a large metropolitan hospital in the United States
M.S. Osato, R. Reddy and D.Y. Graham 341

Drug-resistant *Streptococcus pneumoniae* in the Lebanon: implications for presumptive therapy
G.F. Araj, H.A. Bey, L.Y. Itani and S.S. Kanj 349

Short communication

Activity of nine fluoroquinolones against strains of *Bordetella bronchiseptica*
M. Carbone, M.T. Fera, M.G. Pennisi, M. Masucci, A. De Sarro and C. Macrì 355

Author index 359
Volume contents 363
Instructions to authors 367